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rief Bibliography

WEATHER AND HEALTH

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WEATHER AND HEALTH

Some of the influences of weather and climate on human well-being and health have been known since ancient times, but efforts to establish clear and definite relationships through the scientific study of human biometeorology are relatively new. Temperature, humidity, wind, precipitation and air pressure, combined and individually, can affect the way we act and feel. In more dramatic cases, weather and climate have a significant effect on human mortality rates.

This brief bibliography is intended to provide a selected guide to recent literature on weather and health together with a small number of older items contained in the extensive collections of the NOAA Central Library.

Current references were selected from Meteorological and Geoastrophysical Abstracts, published by the American Meteorological Society, Boston, MA, and from the National Technical Information Service (NTIS) database, U.S. Dept. of Commerce, Springfield, VA.

Questions about this material may be addressed to: Reference Desk, NOAA Central Library, 6009 Executive Blvd., Rockville, MD 20852, or call (301) 443-8330.

I. Comfort

Human comfort in the urban tropics.

de Carmona, Luis Sanchez. World Meteorological Organization, Geneva, WMO-No. 652, pp.354-404. 1986.

"Fohn illness" and human biometeorology in the Chinook area of Canada.

Fletcher, Roy J.
International Journal of Biometeorology, 32(3):168-175, 1988.

Universal scale of apparent temperature.

Steadman, Robert G. Journal of Climate and Applied Meteorology, 23(12):1674-1687, Dec. 1984.

II. Disease and Illness

Weather and the incidence of urinary stone colic in Tokyo. Fujita, Kimio. International Journal of Biometeorology, 32(2):141-146, 1988.

Cold weather stress on humans. January 1970-December 1988 (Citations from the NTIS Database).
National Technical Information Service. NTIS, Springfield, VA.: Dec. 1988. PB-89852537XSP

Age at menarche: the influence of environmental conditions. Saar, E. et al.
International Journal of Biometeorology, 32(1):33-35, 1988.

Correlation between the atmospheric conditions and the asthmatic symptom.

Suzuki, S. et al. International Journal of Biometeorology, 32(2):129-133, 1988.

Human health: analysis of climate related to health.
White, Margaret R.; Hertz-Picciotto, Irva. Biol. and Medicine
Div., Lawrence Berkeley Lab., CA. and U.S. Dept. of Energy,
Office of Energy Research. Report No. DOE/ER-0236. Dec. 1985.

III. Mortality

Bioclimatic index of human survival times in the Antarctic. De Freitas, C. R.; Symon, L. V. Polar Record, 23(147):651-659, Sep. 1987.

Association between temperature and death in residential populations in Shanghai.

Hsia, L.B.; Lu, J. K. International Journal of Biometeorology, 32(1):47-51, 1988.

Environmental temperature and mortality from acute myocardial infarction.

Mannino, Joseph A.; Washburn, Richard A. International Journal of Biometeorology, 33(1):32-35, 1989.

Life expectancy in tropical climates and urbanization.

Weihe, W. H.

World Meteorological Organization, Geneva. WMO-No. 652, pp. 313-353, 1986.

IV. Sociological Aspects

The effect of weather on mood, productivity, and frequency of emotional crisis in a temperate continental climate.

Barnstom, A. G.

International Journal of Biometeorology, 32(2):134-143, 1988.

Does cold weather produce depressive symptoms?.

Garvey, Michael J. et al.

International Journal of Biometeorology, 32(2):144-146, 1988.

Societal impacts associated with the 1982-83 worldwide climatic anomalies.

Glantz, Michael; Katz, Richard; Krenz, Maria (eds.) National Center for Atmospheric Research, Environmental and Societal Impacts Group, Boulder, CO. 105 p., Sep. 1987.

Climate impact assessment: studies of the interaction of climate and society.

Kates, Robert W.; Ausubel, Jesse H.; Berberian, Mimi. Published on behalf of the Scientific Committee on Problems of the Environment (SCOPE) of the International Council of Scientific Unions (ICSU) N.Y.: John Wiley & Sons. 625 p. (SCOPE 27), 1985.

Effects of hot and cold environments on military performance. Army Research Inst. of Environmental Medicine, Natick, MA. 45 p., 1988.

History of climatology and the effects of climatic variations on human history. Lamb, H. H. Weather (Bracknell, Eng.), 41(1):16-20, Jan. 1986.

Uncertainty business: risks and opportunities in weather and climate.

Maunder, W. J., N.Z. Met. Services. London: Methuen & Co., 1986.

Effect of primary hypohydration on physical work capacity. Pichan, G. et al.

International Journal of Biometeorology, 32(3):176-180, 1988.

Social burden of weather and climate hazards.

Riebsame, William E.

American Meteorological Society Bulletin, Boston, 67(11):1378-1388, Nov. 1986.

Physiological responses to cold (10 C) in men after six months' practice of yoga exercises.

Selvamurthy, W. et al.

International Journal of Biometeorology, 32(3):188-193, 1988.

Variations in mental performance under moderate cold stress. Sharma, V. M.; Panwar, M. R. International Journal of Biometeorology, 31(1):85-91, 1987.

V. Historical Works

The relationship between weather and mortality in ten major metropolitan areas in the United States, 1962-1965.

Driscoll, Dennis Michael. Ann Arbor: University Microfilms, 1972.
Call #: QH543.D7 OLA

How atmospheric conditions affect your health.

Gauquelin, Michel. New York: Stein and Day, 1971.

Call #: RA793.G313 1971 OLA

Civilization and climate.

Huntington, Ellsworth. Hamden, Conn.: Archon Books, 1971.

Call #: GF71.H8 1971 OLA

The assessment of human bioclimate.
Landsberg, Helmut Erich. Geneva: Secretariat of the World
Meteorological Organization, 1972.
CAll #: QC851.W6445 no. 331 OLA

Medical climatology.
Licht, Sidney Herman. New Haven: E. Licht, 1964.
Call #:QH543.4.L61 1964 OAQ

Human biometeorology.
Nicodemus, M. L. Asheville, N. C.: National Oceanic &
Atmospheric Administration, National Climatic Data Center, 1985.
Call #:QC981.U5 no. 4 1985 OLA,OAQ

Hippocratic heritage: a history of ideas about weather and human health.

New York: Pergamon Press, 1982.

Sargent, Frederick II. New York: Pergamon Press, 1982. Call #: RA793.S34 1982 OLA

A survey of human biometeorology.
Sargent, Frederick. Geneva: Secretariat of the World Meteorological Organization, 1964.
Call #: QC851.W6445 no. 160 OAY,OAQ

Health, weather and climate.
Sulman, Felix Gad. Basel, 1976.
Call #: RA793.S85 OLA; QH543.4.S9 1976 OAQ

Climate & health.
United States. Rockville, Md.: National Oceanic & Atmospheric Administration, 1976.
Call #: GF71.C5 OLA